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Motion planning is one of the most important areas of robotics research. The complexity of the motion-planning problem has hindered the development of practical algorithms. This paper surveys the work on gross-motion planning, including motion planners for point robots, rigid robots, and manipulators in stationary, time-varying, constrained, and movable-object environments. The general issues in motion planning are explained. Recent approaches and their performances are briefly described, a ...

22 Evolution of data modeling for databases

77%



Shamkant B. Navathe

Communications of the ACM September 1992

Volume 35 Issue 9

23 Delivering the goods with Lisp

77%



Richard Barber, George Imlah

Communications of the ACM September 1991

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Lisp has long had a reputation for the efficacy of its development environment. It is used in academia and by some R&D groups in industry; and, compared with conventional languages, it is hardly ever used in real applications in the real world. It will always be perceived as a rather arcane esoteric language if it does not successfully leave the ivory towers and start delivering the goods where it really matters—at the sharp end in industry.

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